

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL WITH STREET LIGHTING AT THE INTERSECTION OF US 13 (OCEAN HWY) AND MD 362 (MT. VERNON RD) IN SOMERSET COUNTY. THE MODIFICATION WILL UPGRADE THE EXISTING LOOP DETECTORS FOR PRESENCE DETECTION AND SIDE STREET PASSAGE DETECTION TO VIDEO DETECTORS. EXISTING LOOP DETECTORS FOR PASSAGE DETECTION WILL ALSO BE UPGRADED TO NON-INVASIVE DETECTORS. US 13 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION OPERATES IN A NEMA EIGHT (8) PHASE, FULLY-ACTUATED MODE. US 13 APPROACHES OPERATE CONCURRENTLY. EXCLUSIVE LEFT TURN PHASES ARE PROVIDED FOR BOTH APPROACHES OF US 13. MD 362 APPROACHES OPERATE CONCURRENTLY, AND EXCLUSIVE-PERMISSIVE PHASES ARE PROVIDED FOR BOTH APPROACHES OF MD 362.
2. AN EXISTING FULL-TRAFFIC-ACTUATED, EIGHT (8) PHASE CONTROLLER IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE UTILIZED. VIDEO DETECTION INTERFACE AND A NEW SHELF MOUNTED POWER SUPPLY SHALL BE INSTALLED INTO THE CABINET BY SHA FORCES.

CONTACTS

DISTRICT

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DISTRICT ENGINEER  
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MR. GENE COFIELL  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
410-677-4040

MR. BRUCE POOLE  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
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MR. WAYNE WEICHMAN  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
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OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.  
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ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
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MR. ED RODENHIZER  
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MR. EUGENE BAILEY  
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410-787-7670

MS. DARLENE EIDE  
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	[UPDATED] (CONT/CAB/ADD) DETECTOR RACK POWER SUPPLY
9086	1 EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

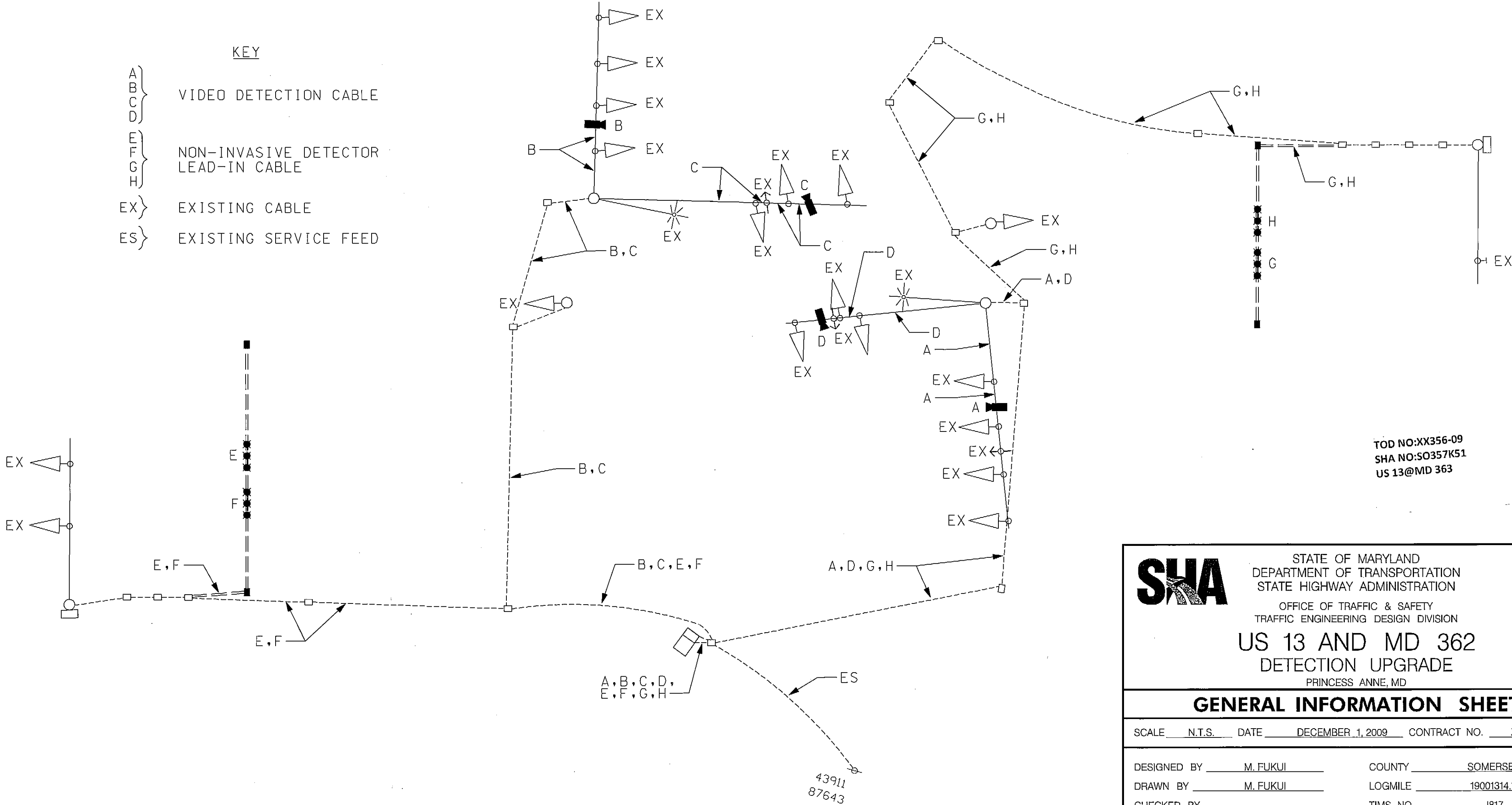
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8007	4 EA	VIDEO DETECTION CAMERA & CABLE
8011	120 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	115 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	4 EA	NONINVASIVE DETECTOR UP TO 1000' LEAD IN CABLE
8019	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

NO PHASE CHANGE

WIRING DIAGRAM



<b>SHA</b>		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
US 13 AND MD 362 DETECTION UPGRADE PRINCESS ANNE, MD			
<b>GENERAL INFORMATION SHEET</b>			
SCALE	N.T.S.	DATE	DECEMBER 1, 2009
DESIGNED BY	M. FUKUI	COUNTY	SOMERSET
DRAWN BY	M. FUKUI	LOGMILE	19001314.14
CHECKED BY		TMS NO.	J817
F.A.P. NO.		TOD NO.	
TS NO. 391L-GI	DRAWING	SG-02	OF 02
SHEET NO.		2 OF 2	